EUCHNER | MGB

SLOT
2 1

DIA LOCK STATE POWER

EUCHNER | MGB

LINK 1 ACT 1 LINK 2 ACT 2 SF BF DIA US1

MAINT PS

EUCHNER | MBM

XF1 PN1   XF2 PN2   XD2 DC24V   XD1 DC24V
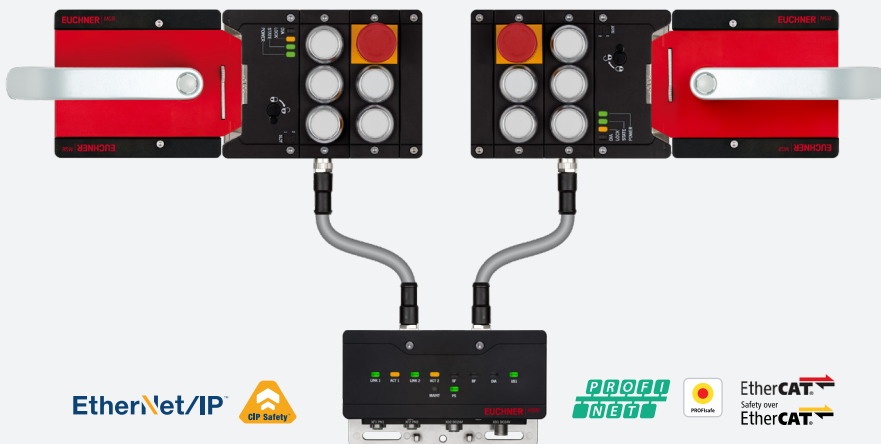
MGB2 *Modular*

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MGB2 *Modular*

The new MGB2 represents the consequent further development of the globally successful Multifunctional Gate Box MGB. A revised design, new and expanded functions, as well as a modular layout offer maximum flexibility. The MGB2 is more than just pure safeguarding. It makes it possible to integrate into one device all the relevant functions related to the safety guard.

Simple connection concept

In the *Modular* version, the MGB2 is equipped with a bus module (MBM) with integrated safe bus connection. The bus module can either be connected directly to the MGB2 *Modular* or, if space is tight, it can be mounted remotely. If the bus module is mounted remotely, several MGB2 *Modular* locking modules can be connected to one MBM.

The bus module MBM is available for connection to EtherCAT/FSoE, PROFINET/PROFIsafe or for EtherNet/IP / CIP Safety*.

Flexible integration of a large number of functions

Thanks to the modular design, the MGB2 *Modular* can be variably equipped with different functions. The MGB2 *Modular* offers space for two submodules, each with up to three different controls. It is possible to replace a submodule at any time, even during operation, as the MSM submodules are hot-pluggable.

Our expansion module MCM with four more control elements is available if you require more than the maximum of six control elements in the locking module MGB2 Modular or if you need to include labeling. Simply insert these sub-modules into the expansion module MCM. You can connect the MCM either directly to a bus module or as a function expansion to a locking module.

Variable in use and easy to mount

The MGB2 *Modular* can be fitted to doors hinged on the right and left, as well as to sliding doors. An integrated alignment aid shows at a glance whether the MGB2 *Modular* has been mounted correctly.

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Locking module
Comprising a robust, industrial housing with integrated mounting plate.

Submodules
2 submodules, each with up to 3 different controls, can be integrated into the locking module.

Auxiliary release
For releasing the guard locking if there is a power failure.

Detailed diagnostics
Several LED displays provide all relevant status information for each module at a glance.

Escape release (optional)
The escape release enables people accidentally locked in to the danger area to open the door.

Solid door stop

Bus module
With integrated safe bus connection. The MBM can either be connected directly to the MGB2 or mounted remotely. The bus module MBM is available for connection to EtherCAT/FSoE, PROFINET/PROFIsafe or for EtherNet/IP / CIP Safety*.

Various controls
Numerous controls such as emergency stop pushbuttons, illuminated pushbuttons, indicators, key-operated switches etc. are available.

Enabling-switch connection
M12 or M23 plug for connecting a ZSA or ZSM enabling switch.

Integrated alignment aid for mounting
The MGB2 can be mounted quickly and straightforwardly on hinged doors and on sliding doors. Thanks to the alignment aid it is immediately apparent whether the MGB2 has been mounted correctly.
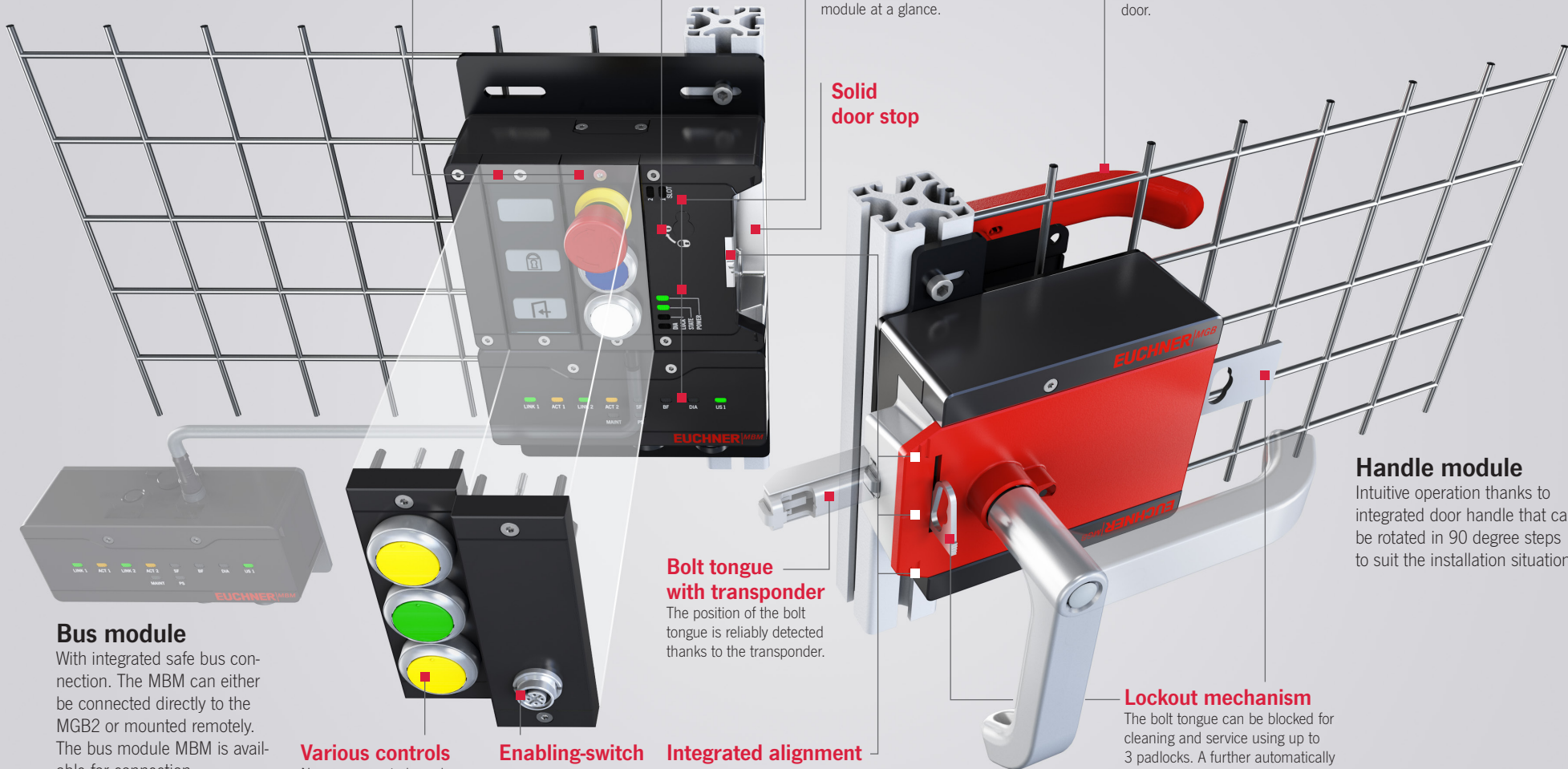
Bolt tongue with transponder
The position of the bolt tongue is reliably detected thanks to the transponder.

Handle module
Intuitive operation thanks to integrated door handle that can be rotated in 90 degree steps to suit the installation situation.

Lockout mechanism
The bolt tongue can be blocked for cleaning and service using up to 3 padlocks. A further automatically extending lockout mechanism provides space for another 3 padlocks.

*Available from end of 2025

Advantages of the MGB2 *Modular* at a glance:

- ▶ Modular design with submodules
- ▶ Several MGB2 can be connected to one bus module MBM
- ▶ Robust, industrial housing
- ▶ Easy mounting thanks to integrated mounting plates
- ▶ Category 4 / PL e for all safety functions
- ▶ Easy to service thanks to hot-plugging function
- ▶ High coding level
- ▶ Escape release can be retrofitted at any time
- ▶ Door handle with integrated door stop
- ▶ Integrated lockout mechanism
- ▶ Locking force 2000 N
- ▶ Degree of protection IP65
- ▶ For usage on hinged and sliding doors
- ▶ Comprehensive diagnostic functions directly on each module and in the control system

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